

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-036497

(43)Date of publication of application : 07.02.1995

(51)Int.Cl. G10L 9/18

G10L 3/00

(21)Application number : 05-179019

(71)Applicant : MATSUSHITA ELECTRIC IND CO LTD

(22)Date of filing : 20.07.1993

(72)Inventor : HOSOI SHIGERU

## (54) SOUND DECODER

### (57)Abstract:

PURPOSE: To prevent quality degradation in acoustic feeling of decoded sounds which derive at the time of sending no sound signal at silence intervals.

CONSTITUTION: Decoded sound signals from a transmission code decoder 21 by which sound signs at a sound interval are decoded are outputted according to the selection by a switch 27 by changeover indicating signals out of a sound/ silence indicator 22 to which a sign of beginning of a sound interval is inputted. When a sign of beginning of a silence interval is inputted, a noise signal out of a noise signal buffer 23 is outputted. At the silence interval, correlation between a final interval signal of the sound intervals and a storing signal of the noise signal buffer 23 is calculated by a correlation calculator 24 and a noise signal approximating to a waveform with highest correlation is selected and outputted from the switch 27 via a noise power controller 26. Further, a signal power out of the noise signal buffer 23 is controlled so as to be equal to a power of a final interval of the sound interval detected by a decoded signal power detector 25 and when the signal power from the buffer 23 is stronger than in the final interval, it is made low gradually to an equal power under the control of the noise power controller 26.

